

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA816SW

*This certificate, issued to* **Peterson Aircraft Repair  
5104 Rector  
Fort Worth, Texas 76133**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product — Type Certificate Number:* SA6

*Make:* Cessna

*Model:* 180, 180A, 180B, 180C, 180D, 180E, 180F,  
180G, 180H

*Description of Type Design Change:* Installation of a Hartzell BHC-A2VF-3/V8833 reversible pitch propeller in accordance with Wren Aircraft Corporation Drawing 200-100"E" dated 3/12/68, and MASA Drawing No. 9000 dated 4/16/73.

*Limitations and Conditions:* 1. Wren Beta Manual No. 2 dated 7/17/67 is required for amphibian or seaplane. 2. Aircraft must be placarded: BETA CONTROL. Use in accordance with Operator's Manual. Lock for Take-Off. 3. Wren Beta Manual No. 6 dated 1/29/68 is required for Land Plane, Standard or Cross Wind Gear. 4. Aircraft with O-470-A, or O-470-J engines Hartzell BHC-A2VF-3/V8833 Propeller Dia. Limits 88" - 86"; with O-470-K, or O-470-L engines Dia. limits 88" only. No additional reduction for repairs allowed. Not eligible on aircraft with O-470-R engine.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* September 6, 1967

*Date of issuance:* July 21, 1967

*Date reissued:* 3/20/70; 5/11/72; 5/14/73;  
3/1/74; 1/10/75; 2/28/75; 9/16/77

*Date amended:* Revision 7



*By direction of the Administrator*

*Don P. Watson*

(Signature)

**Don P. Watson**  
**Chief, Engineering and Manufacturing Branch**

(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*

United States of America  
Department of Transportation—Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA816SW Revision 7

**Limitations and Conditions:**

- A. Aircraft must be placarded: BETA CONTROL. Use in accordance with Operator's Manual. Lock for Take-Off.
- B. Aircraft with O-470-A, or O-470-J engines Hartzell BHC-A2VF-3/V8833 propeller dia. limits 88" - 86"; with O-470-K, or O-470-L engines dia. limits 88" only. No additional reduction for repairs allowed. Eligible on aircraft with O-470-R engine with 84 - 80" dia. only.
- C. For installation per Wren data Wren Beta Manual No. 2 dated 7/16/67 is required for amphibian or seaplane. Wren Beta Manual No. 6 dated 1/29/68 is required for Land Plane, Standard, or Cross Wind Gear.
- D. For installation per Aero Accessories, Inc. data AeroSTOL Company Operator's Manual dated July 24, 1975, is required.

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

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### TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number \_\_\_\_\_

to *(Name of transferee)* \_\_\_\_\_

*(Address of transferee)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

from *(Name of grantor)* *(Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_